F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	WILL	160	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* 99-4-1RS-3 & 99-4-1VB-1

D-91-225-93

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

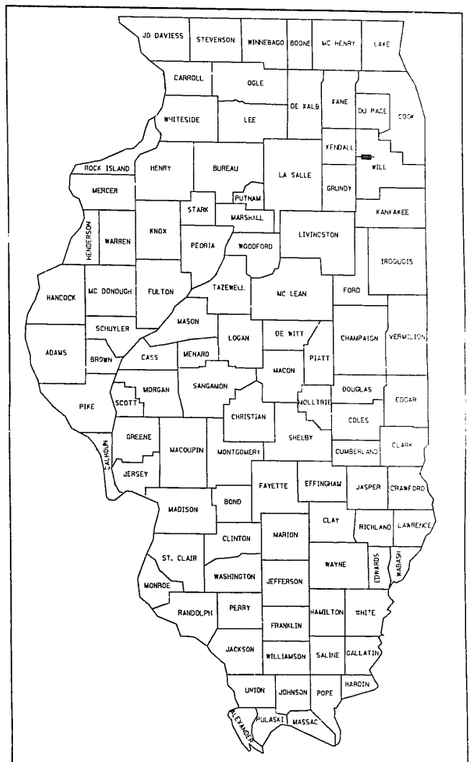
PLANS FOR PROPOSED HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE CITY OF JOLIET

SCALES: PLAN / PROFILE HORIZ. / PROFILE VERT. / CROSS SECTIONS

F.A.I. ROUTE 80
SECTION 99-4-1RS-3 & 99-4-1VB-I
WEST OF ROWELL AVENUE TO U.S. ROUTE 30
RESURFACING MAINTENANCE AND BRIDGE DECK REPAIRS
WILL COUNTY
C-91-225-93



LOCATION OF SECTION INDICATED THUS:-

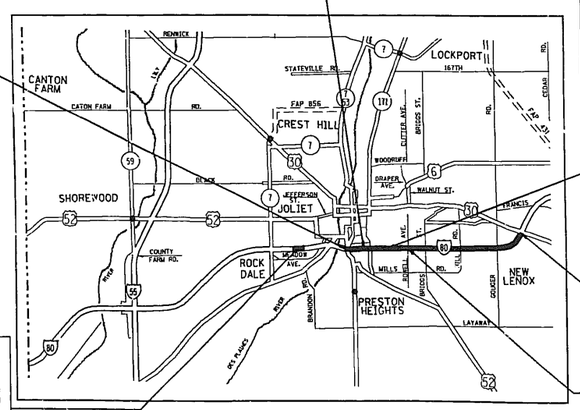
POSTED SPEED LIMIT
F.A.I.-80: 55 MPH

TRAFFIC DATA
F.A.I. 80
1995 ADT = 75,200

STA. EQUATION
STA. 456+00 BK=
STA.457+06.03 AH

R. 10 E. R. 11 E.

IMPROVEMENT BEGINS
STA. 432+05



N

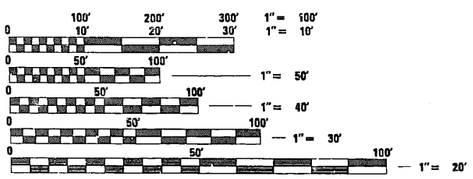
T. 35 N.

STA. EQUATION
STA. 487+92.54 BK(PT)=
STA.488+81.44 AH

IMPROVEMENT ENDS
STA. 664+00

F.A.I. 80 OVER SB MEADOW AVE (S.N. 099-0052/0053)
F.A.I. 80 AT SOUTHBOUND CENTER STREET TO EASTBOUND I-80 (S.N. 099-0054/0055)
F.A.I. 80 AT DES PLAINES RIVER (S.N. 099-0056/0057)
F.A.I. 80 AT IL. ROUTE 53 (S.N. 099-0058/0059)
F.A.I. 80 AT ATSF / GMO RR & GARDNER STREET (S.N. 099-0060/0061)
F.A.I. 80 AT HICKORY CREEK (S.N. 099-0062/0063)
F.A.I. 80 AT RICHARDS STREET (S.N. 099-0064/0065)
F.A.I. 80 RAMP CA OVER SB CENTER ST (S.N. 099-0074)
BRIDGE DECK PATCHING
JOINT REPAIR

F.A.I. 80 AT ROWELL AVENUE AND E.J. & E. R.R. (S.N. 099-0066/0067)
DECK PATCHING, SCARIFICATION & LATEX OVERLAY
PROPOSED ELASTOMERIC BEARINGS
BRIDGE JOINT REPAIRS
BRIDGE SIDEWALK REPAIRS
STEEL BRIDGE RAIL RETROFIT



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

IMPROVEMENT LIMITS
BRIDGE REPAIRS ONLY
STA. 362+94 TO STA 432+05

LAYOUT SCALE: 1" = 0.45 MILE

CONTRACT NO. 82263

JOLIET AND NEW LENOX TOWNSHIPS

GROSS AND NET LENGTH OF IMPROVEMENT = 22,999.67 FT. = 4.356 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 19 19 98
DISTRICT ENGINEER
19
ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION
October 2 19 98
ENGINEER OF DESIGN AND ENVIRONMENT
October 2 19 98
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PLAN PREPARATION ENGINEER: T. HOLTZ / J. POLLASTRINI (847) 705-4240

Wed Aug 19 08:55:45 1998
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FAI RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
80	*	WILL	160	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*99-4-IRS-3 & 99-4-IVB-1

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-6	SUMMARY OF QUANTITIES
7-12	TYPICAL SECTIONS
13-34	SUGGESTED STAGING AND TRAFFIC CONTROL
35	CROSSOVER PLAN
36-48	ROADWAY PLAN
49-65	DRAINAGE & UTILITIES
66-79	PAVEMENT MARKING & LANDSCAPING
80-81	CROSSOVER PLAN TEMPORARY LIGHTING
*82-107	I-80 OVER ROWELL AVE
108	I-80 OVER SOUTHBOUND MEADOW AVE
109	I-80 OVER SOUTHBOUND CENTER ST TO EASTBOUND I-80
110-113	I-80 OVER DES PLAINES RIVER
114	I-80 OVER IL53
115	I-80 OVER ATSF & GMO RR & GARDNER ST
116	I-80 OVER HICKORY CREEK
117	I-80 OVER RICHARDS ST
118-119	I-80 RAMP OVER SOUTHBOUND CENTER ST
120	TAPER DETAIL
121-122	I-80 HICKORY CREEK TO US30 DETAILS
123	CONCRETE COLLAR DETAILS
124	PAVED DITCH REMOVAL & REPLACEMENT, EXPANSION JOINT REHABILITATION, TEMPORARY SIGNING
125	CONSTRUCTION OF LUG SYSTEM
126	TEMPORARY INFORMATION SIGNING
127	TEMPORARY LIGHTING DETAIL
127A	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
128	DETAILS FOR FRAME & LID ADJUSTMENT WITH MILLING
129	PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT (CLASS A OR B)
130	PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT
131	CURB OR CURB & GUTTER REMOVAL & REPLACEMENT
132	BUTT JOINTS & BITUMINOUS TAPER DETAIL
133	BITUMINOUS TAPER AT EDGE OF PCC PAVEMENT
134	DETAILS FOR STEEL PLATE BEAM GUARD RAIL, ADJUSTMENT TO CURB & GUTTER
135	PAVEMENT RELIEF JOINT
136	PCC PAVEMENT PATCHING
137	FREEWAY STANDARD - ONE LANE CLOSURE
138	ENTRANCE & EXIT RAMP CLOSURE
139	TRAFFIC CONTROL DETAILS FOR FREEWAY
140-141	MULTI-LANE FREEWAY PAVEMENT MARKING
142	TYPICAL PAVEMENT MARKING
143	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
144	TEMPORARY PAVEMENT MARKINGS LETTER & SYMBOL
145	TRAFFIC CONTROL FOR SHOULDER CLOSURE & PARTIAL RAMP CLOSURE
146	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENING
147-148	I-80 MEDIAN AT BRIGGS CROSS SECTION
149-150	I-80 MEDIAN AT CHERRY HILL CROSS SECTION
151-152	I-80 MEDIAN AT GOUGAR CROSS SECTION
152A-152B	I-80 MEDIAN CROSS SECTION AT ATTENTUATOR LOCATION STA 658+00
153-154	I-80 MEDIAN AT ROCK EXCAVATION LOCATION
155-157	I-80 MEDIAN AT CROSSOVER WEST OF ROWELL AVE
158-160	I-80 MEDIAN AT CROSSOVER EAST OF ROWELL AVE
*95	DELETED

STATE STANDARDS

STANDARD NO	DESCRIPTION
000001-02	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-01	TEMPORARY EROSION CONTROL SYSTEMS
420001-01	PAVEMENT JOINT
420401-01	BRIDGE APPROACH PAVEMENT
421201-01	7.2M CONTINOUSLY REINFORCED PCC PAVEMENT WITH LUG SYSTEM
424001-01	CURB RAMPS ACCESIBLE TO THE DISABLED
442001-01	CLASS A PATCHES
442101-01	CLASS B PATCHES
482011-01	BITUMINOUS SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING & RESURFACING
482101	RUMBLE STRIP FOR PCC OR BITUMINOUS SHOULDER
542601	REINFORCED CONCRETE PIPE ELBOW
542606	REINFORCED CONCRETE PIPE TEE
601001	SUB-SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAINS
602001	CATCH BASIN, TYPE A
604086	FRAME & GRATE, TYPE 23
604091	FRAME & GRATE, TYPE 24
606001-01	CONCRETE CURB & COMBINATION CONCRETE CURB & GUTTER
606401	PAVED DITCH, TYPE A & B
630001-01	STEEL PLATE BEAM GUARD RAIL
630201-01	PCC/BIT STABILIZATION AT STEEL PLATE BEAM GUARD RAIL
631011-01	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-01	TRAFFIC BARRIER TERMINAL, TYPE 5 & 5A
631031-01	TRAFFIC BARRIER TERMINAL, TYPE 6
635001	DELINEATORS
701101	OFF-ROAD OPERATIONS, MULTILANE, <15' AWAY, SPEED ≥45 MPH
701106	OFF-ROAD OPERATIONS, MULTILANE, >15' AWAY, SPEED ≥45 MPH
701411-01	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEED ≥45 MPH
701416-01	LANE CLOSURE, MULTILANE, DIV. WITH CROSSOVER & BARRIER FOR SPEED ≥45 MPH
701426	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEED ≥45 MPH
702001	TRAFFIC CONTROL BARRIER
704001	TEMPORARY CONCRETE BARRIER
720011	METAL POSTS (SIGNS, MARKERS & DELINEATORS)
814001	CONCRETE HANDHOLES
846001	DETECTOR LOOP INSTALLATIONS
846006	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE & INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED ONE WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.

WHEN ARTIFICAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC & ADJOINTING RESIDENTIAL AREAS.

USE #8 EPOXY-COATED TIE BARS CONFORMING TO ART 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 & FOR TIEING PC CONCRETE WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½" WHERE THE SPEED LIMIT IS 45 MPH OR LESS & 1" WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH WITH WRITTEN APPROVAL FROM THE ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3" MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT & BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE INSTALLED IMMEDIATELY IN FRONT OF THE BITUMINOUS SURFACING OPERATION IN SUCH A MANNER SO THAT TRAFFIC WILL NOT DISTURB IT PRIOR TO BEING COVERED BY BITUMINOUS SURFACING. ANY CRACK TREATMENT DISTURBED BY TRAFFIC WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ALL DRAINAGE STRUCTURES CLEANED AS PART OF THE CONTRACT MUST BE CLEANED AT THE COMPLETION OF THE CONTRACT.

REVISIONS	
NAME	DATE

Rev.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SCALE | DRAWN BY

DATE | CHECKED BY

FEC DEV 2 VOLUME 1550
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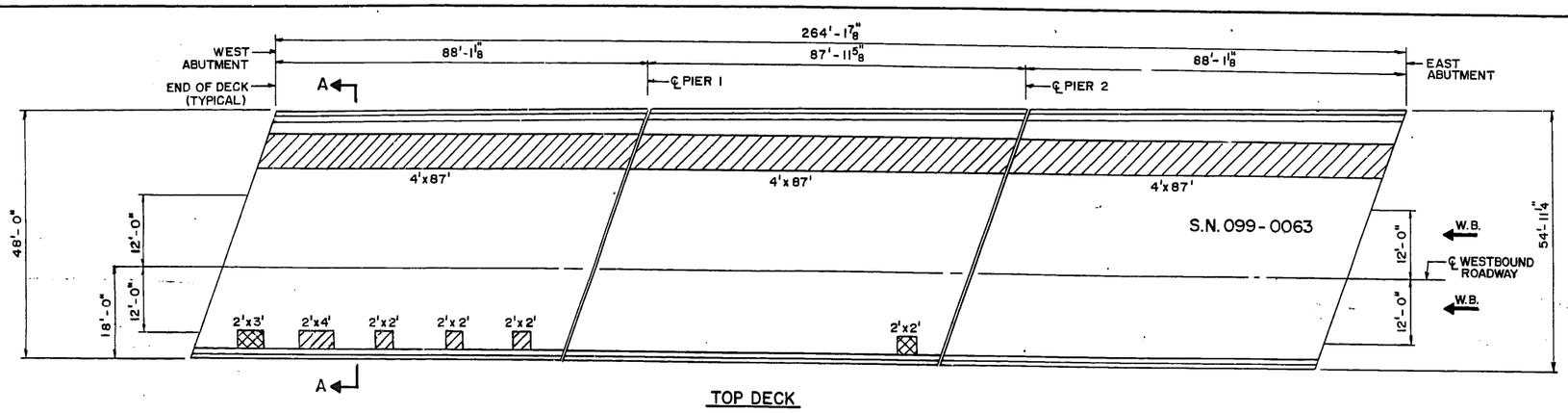
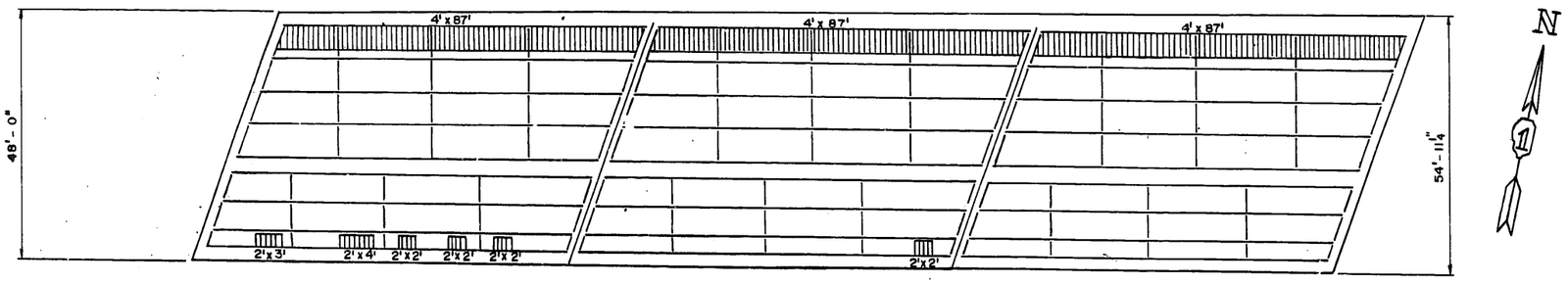
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	WILL	160	116
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET S1 OF S1

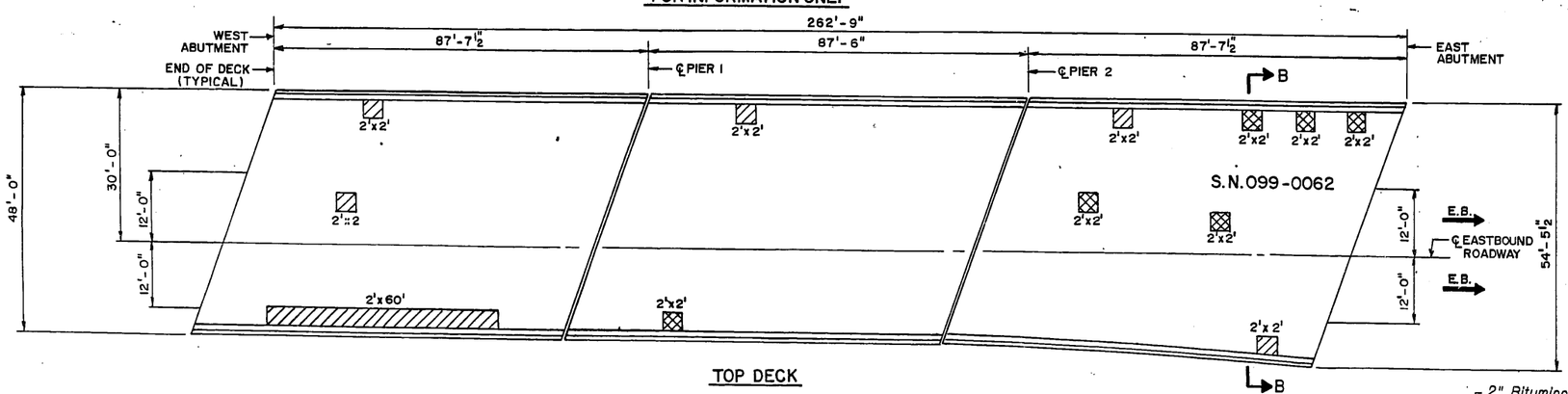
* 99-4-1RS-3 & 99-4-1VB-1



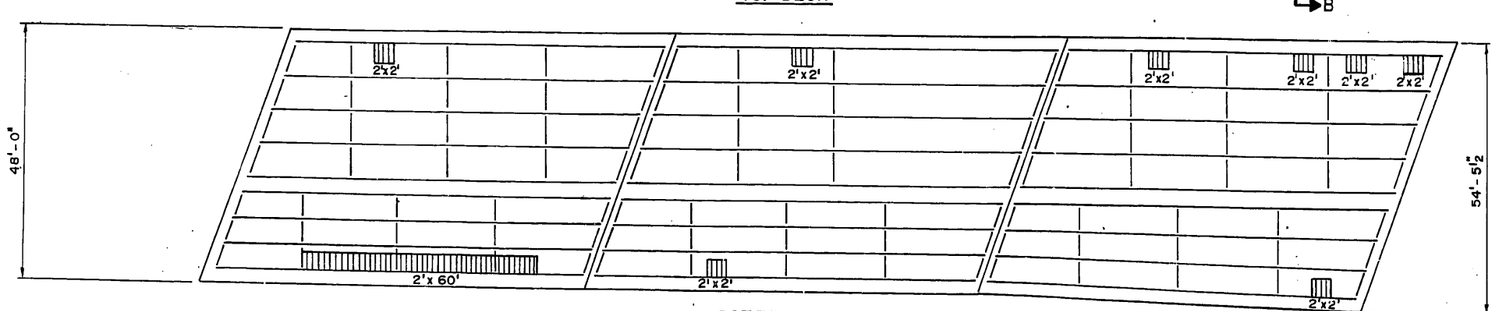
TOP DECK



BOTTOM DECK
FOR INFORMATION ONLY



TOP DECK



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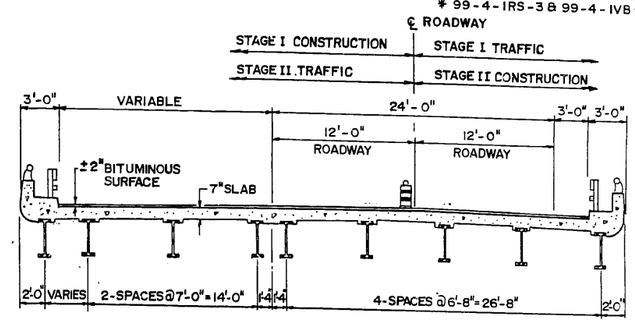
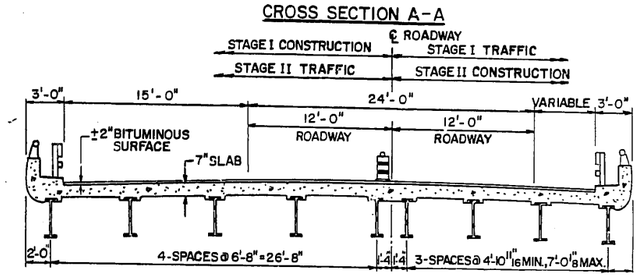
FOR INFORMATION ONLY



CROSS SECTION A-A



CROSS SECTION B-B

LEGEND:

- FULL DEPTH
- PARTIAL DEPTH
- SPALLED AREA

GENERAL NOTES

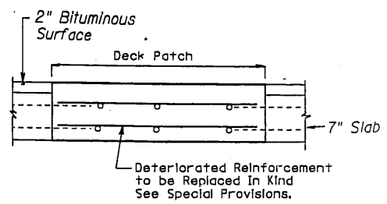
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSION AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATION SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT BID PRICE FOR THE WORK.

THE CONTRACTOR MUST USE EXTREME CARE DURING CONCRETE REMOVAL AS NOT TO NICK, CUT, OR DAMAGE ANY EXISTING REINFORCING TO BE INCORPORATED INTO THE NEW CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED AT CONTRACTORS EXPENSE

AREAS OF DECK REPAIRS ARE ESTIMATED THE ACTUAL TYPE AND LOCATION OF THE DECK REPAIRS ARE TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

THE ENGINEER SHALL MARK THE LOCATIONS OF THE REPAIRS ON THE AS-BUILT PLANS.

DATE OF SURVEY JANUARY 1998.



DECK PATCHING DETAIL

THE FINAL FINISH SURFACE OF THE DECK SLAB REPAIRS SHALL MATCH THE LINE AND GRADE OF THE EXISTING ADJACENT BITUMINOUS SURFACE BOTH LONGITUDINALLY AND TRANSVERSELY.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ.YDS	3.5
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ.YDS	1.0
DECK SLAB REPAIR (PARTIAL)	SQ.YDS	134

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSTATE ROUTE 80
OVER HICKORY CREEK
S.N. 099-0062
S.N. 099-0063

SCALE: VERT. HORIZ.
DATE FEBRUARY, 1998
DRAWN BY MVT
CHECKED BY TMS

D C B A 0 A B C D

TAMERAN